AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

Listing of Claims

1-18. (Cancelled)

19. (New) A method, in a packet switched telecommunications network having a plurality of nodes, for providing resource reservation between a reservation initiator and a reservation receiver of an ON-OFF like traffic, comprising the steps of:

defining an object including descriptors of the desired Quality of Service (QoS), packet level traffic parameters characterizing the traffic envelope, and sub-object of description of source statistics for a call admission control;

initializing reservation for a flow of transmission of the ON-OFF like traffic in the reservation initiator;

reserving resources in the nodes along the flow of transmission;

receiving reservation message in the reservation receiver; and,

sending back an acknowledgement to the reservation initiator.

20. (New) The method of claim 19, wherein the call admission control uses at least one sub-object of the source statistics description in each node along the flow of transmission.

21. (New) The method of claim 19, wherein the sub-object of description of the source statistics comprises information about type and at least one parameter of the distribution of the traffic.

22. (New) The method of claim 19, wherein the distribution type of the length of the ON and/or OFF periods are exponential.

23. (New) The method of claim 19, wherein the parameter of the length of the ON periods is the mean time of ON periods.

24. (New) The method of claim 19, wherein the parameter of the length of the OFF periods is the mean time of ON periods.

25. (New) The method of claim 19, wherein packet switched telecommunications network is an IP based network.

26. (New) The method of claim 19, wherein nodes are routers of a Terrestrial Radio Access Network of a Universal Mobile Telecommunications Network (UTRAN).

27. (New) The method of claim 19, wherein the call admission control uses at least one sub-object of source statistics description in edge nodes of a resource domain along the flow of transmission.

28. (New) A system for providing resource reservation in a packet switched network including a reservation initiator (RI), a reservation receiver (RR) and a plurality of nodes linked together by transmission channels, in which system the resource reservation of an ON-OFF like traffic is implemented and wherein at least a part of the plurality of nodes comprise:

means for processing descriptors of the desired QoS;

means for processing packet level traffic parameters characterizing the traffic envelope; and,

means for processing description of source statistics.

29. (New) The system of claim 28, wherein the reservation initiator (RI) is a base station controller and the reservation receiver (RR) is a radio network controller of the packet switched network.

30. (New) The system of claim 28, wherein the reservation initiator (RI) is a radio network controller and the reservation receiver (RR) is a base station controller of the packet switched network.

31. (New) The system of claim 28, wherein the nodes are IP routers of an IP network.

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